

Suction entrapment avoidance for pools and spas shall be provided in accordance with APSP 7(ANSI/PHITA/ICC 7).


[2021 Washington Swimming Pool and Spa Code, Section 305.1.1]
Construction Fencing Required

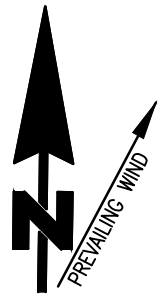
The construction sites for in-ground swimming pools and spas shall be provided with construction fencing to surround the site from the time that any excavation occurs up to the time that the permanent barrier is completed. The fencing shall be not less than 4 feet (1219 mm) in height.

City of Puyallup Development & Permitting Services ISSUED PERMIT		
Building	Planning	
Engineering	Public Works	
Fire	Traffic	

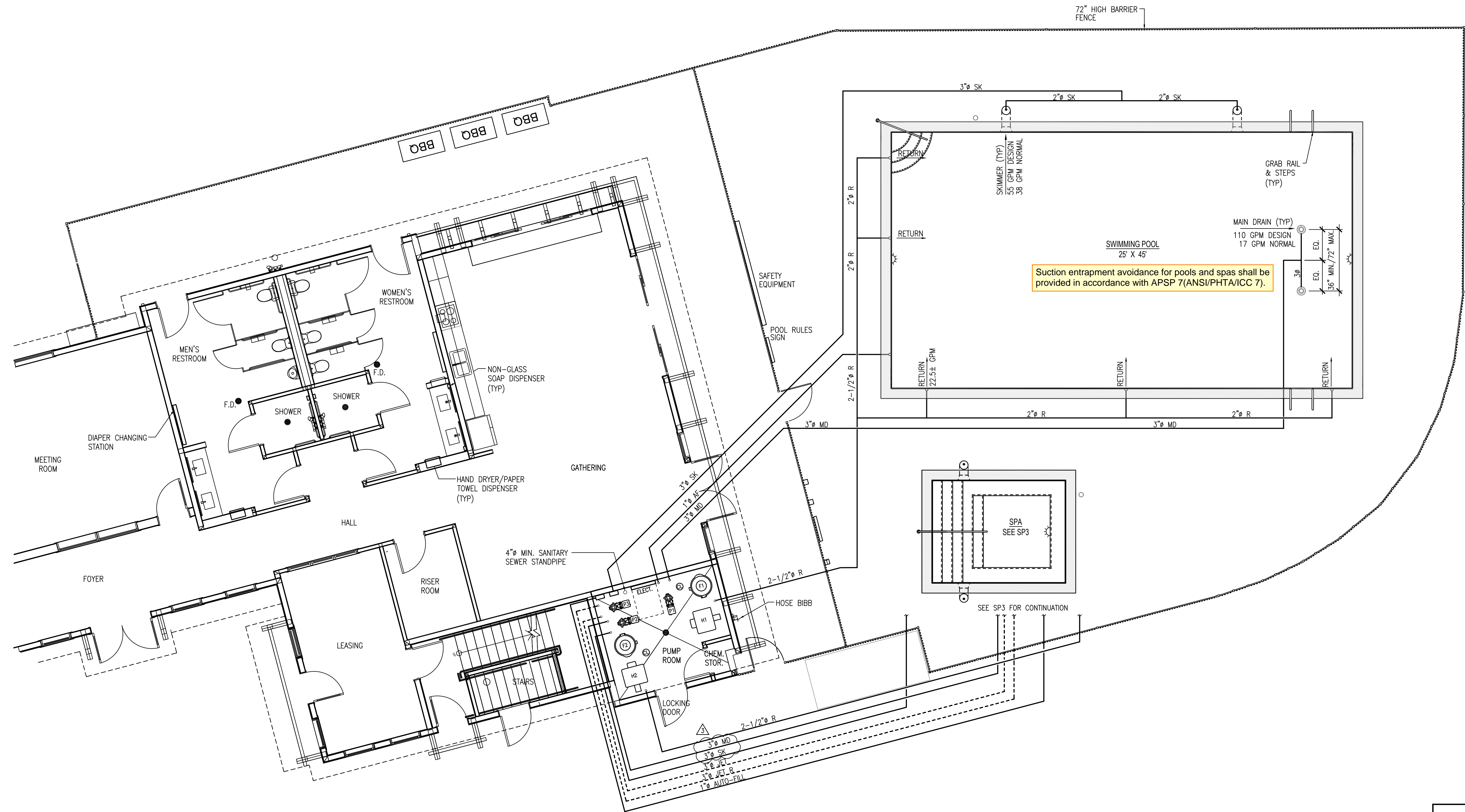
**City of Puyallup
Building
REVIEWED
FOR
COMPLIANCE**

BSnowden
11/06/2025
10:40:31 AM

The seal of the City of Puyallup, State of Washington, is circular. It features a stylized landscape with a blue sky, white clouds, green mountains, a winding river, and yellow flowers. The text "CITY OF PUYALLUP" is written in a circle around the top, and "STATE OF WASHINGTON" is written around the bottom.[illegible]



Per WAC 51-50-3109; the design and construction of swimming pools, spas and other aquatic recreation facilities for Multifamily Buildings shall be regulated by the Department of Health.



POOL PIPING PLAN

3/16" = 1'-0"

Where wastewater from pools or spas, such as backwash water from filters and water from deck drains discharge to a building drainage system, the connection shall be through an air gap in accordance with the 2021 Washington State Plumbing Code.

Potable water supply systems shall be designed, installed and maintained so as to prevent contamination from nonpotable liquids, solids or gases being introduced into the potable water supply through cross-connections or other piping connections to the system. Means of protection against backflow in the potable water supply shall be provided through an air gap complying with ASME A112.1.2 or by a backflow prevention assembly in accordance with the 2021 Washington State Plumbing Code.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.
<https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections>
or call for Licensing Information: 1-800-647-0982

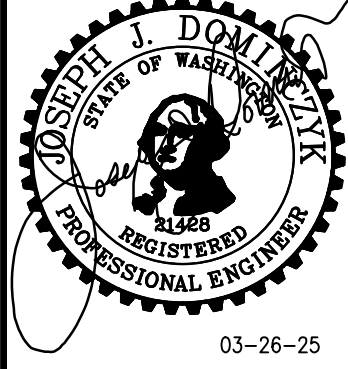
REVISIONS

08-16-2025
PER TPCD REVIEW
10-13-2025
SPA ADDITION
10-27-2025
PER TPCD REVIEW

PRPO20251217

811 PORTER WAY
MILTON, WA 98354
(253) 952-7797
FAX (253) 952-7799

ENGINEERING
CONSULTANTS
NORTHWEST



PLEASURE POOLS AND SPAS
5414 71ST AVENUE COURT EAST
PUYALLUP, WA 98101
(253) 840-9292

CLIENT

EAST TOWN CROSSING
PUYALLUP, WA
POOL PIPING PLAN

PROJECT

DATE 03-26-25

DRAWN J.M.A.

DESIGNED J.J.D.

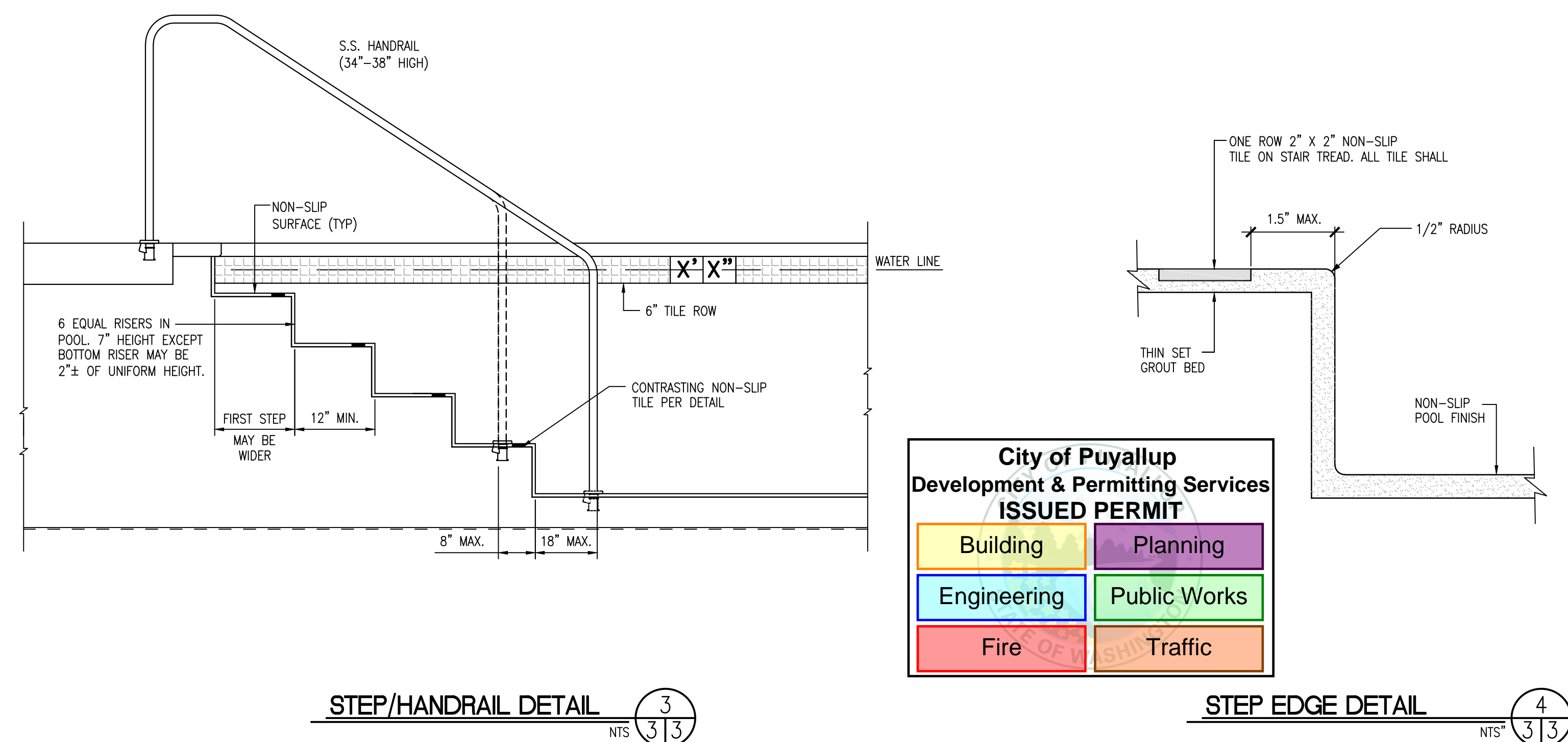
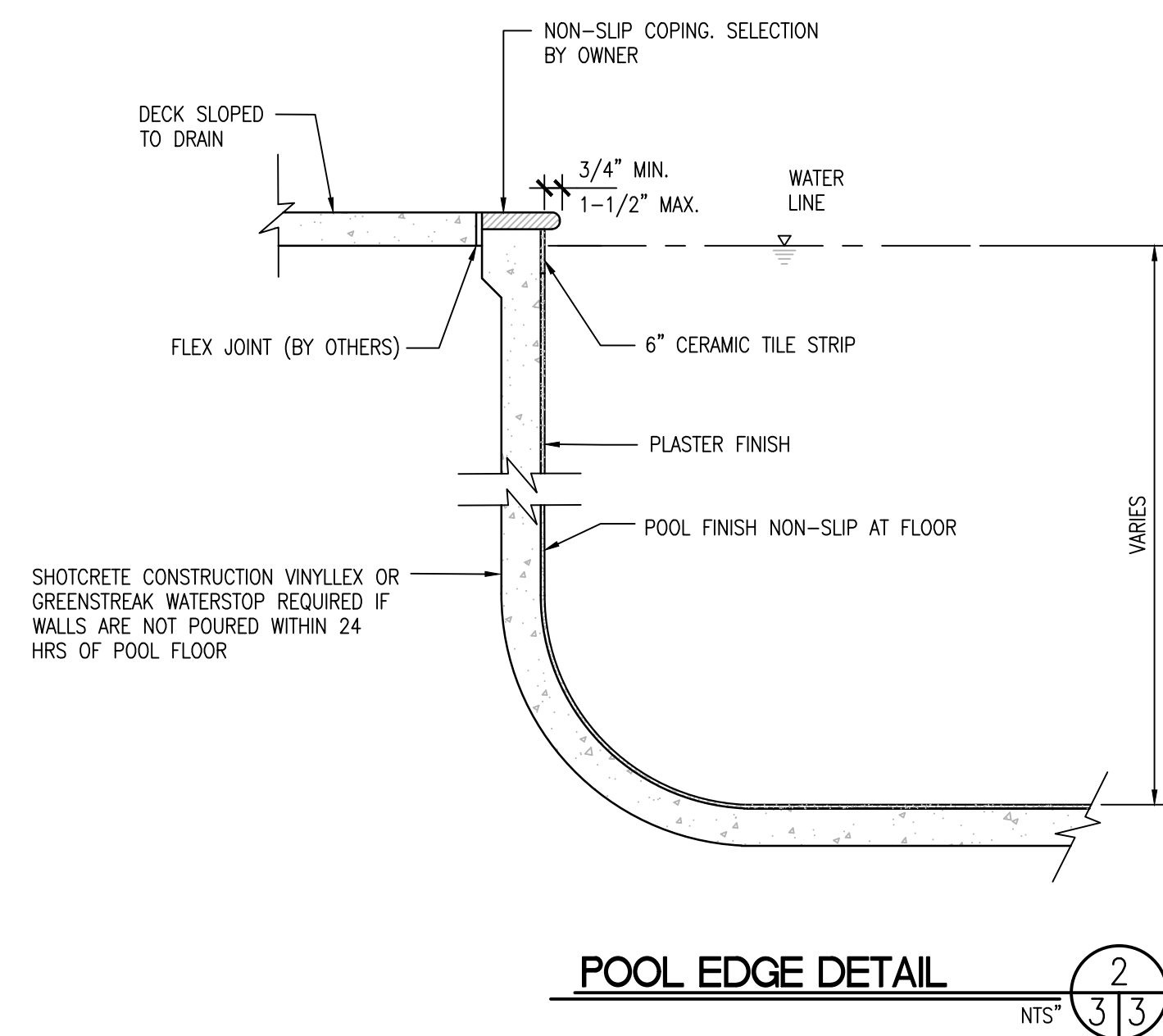
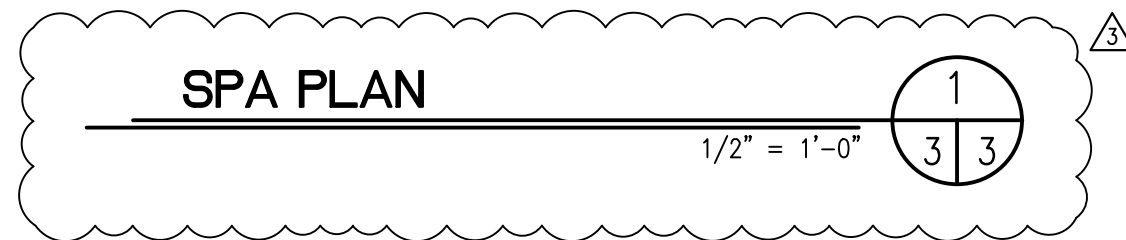
APPROVED J.J.D.

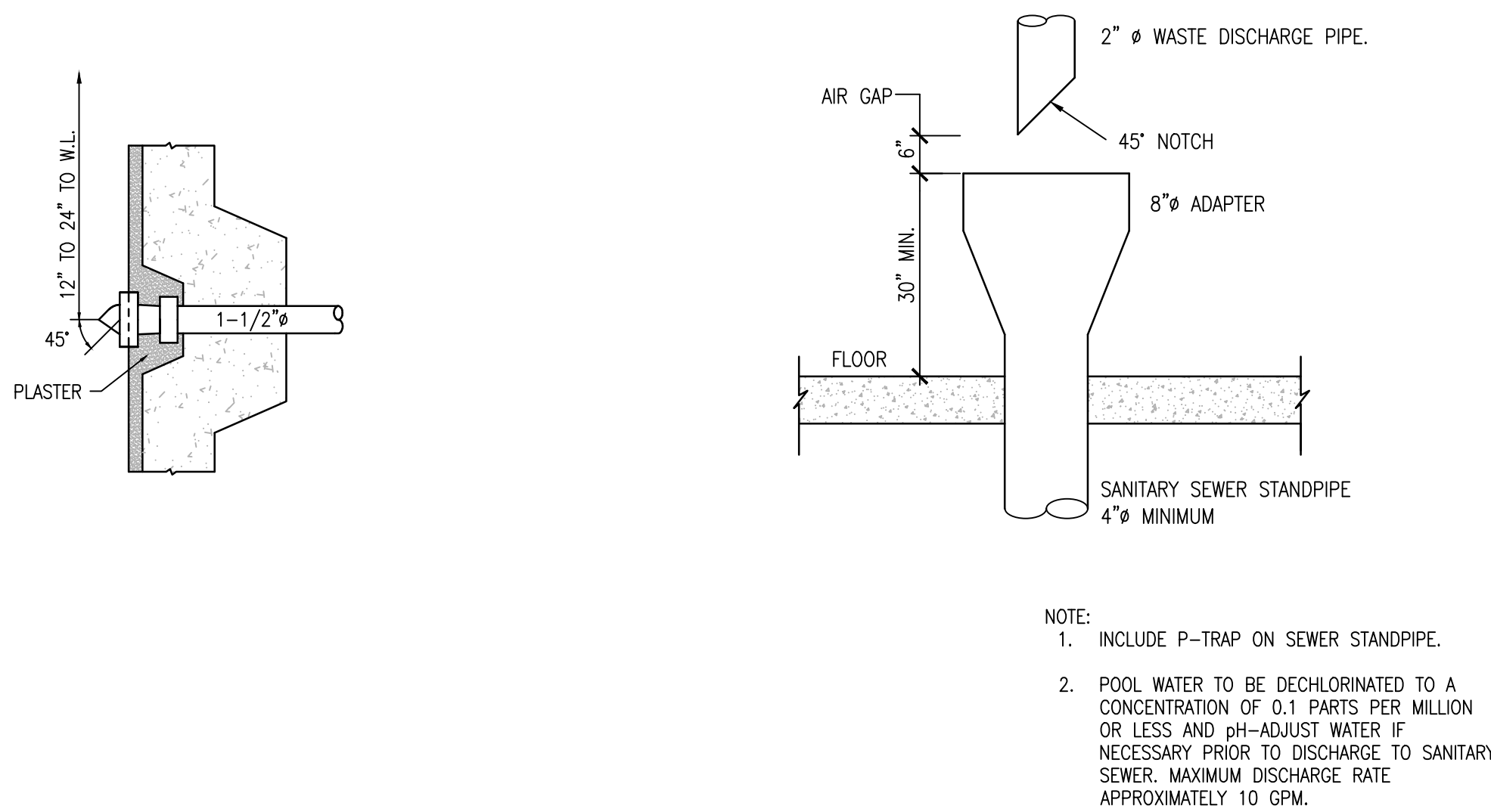
PROJECT NO. 2252761

SHEET NO.

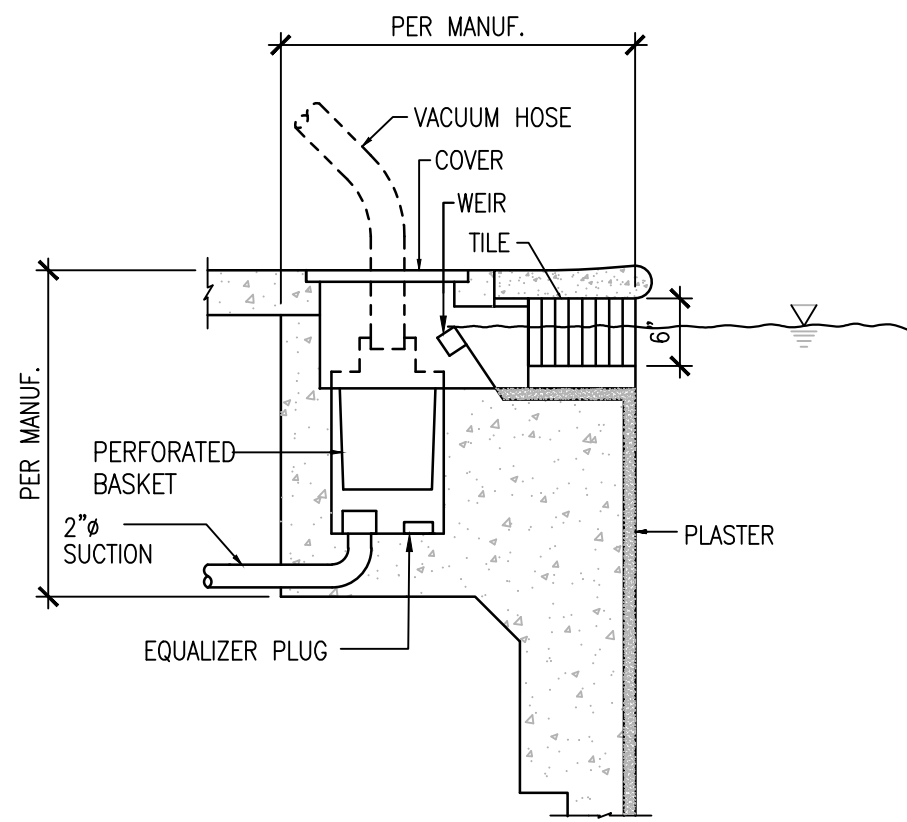
SP 2

2 Of 6 Sheets

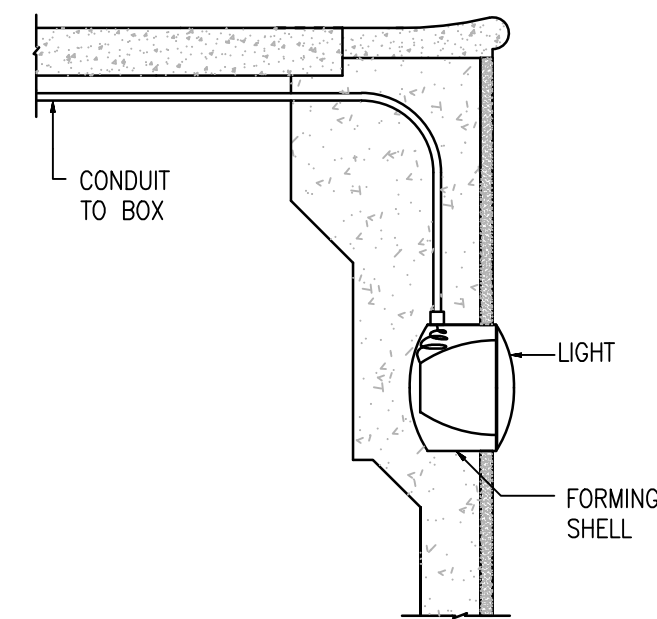
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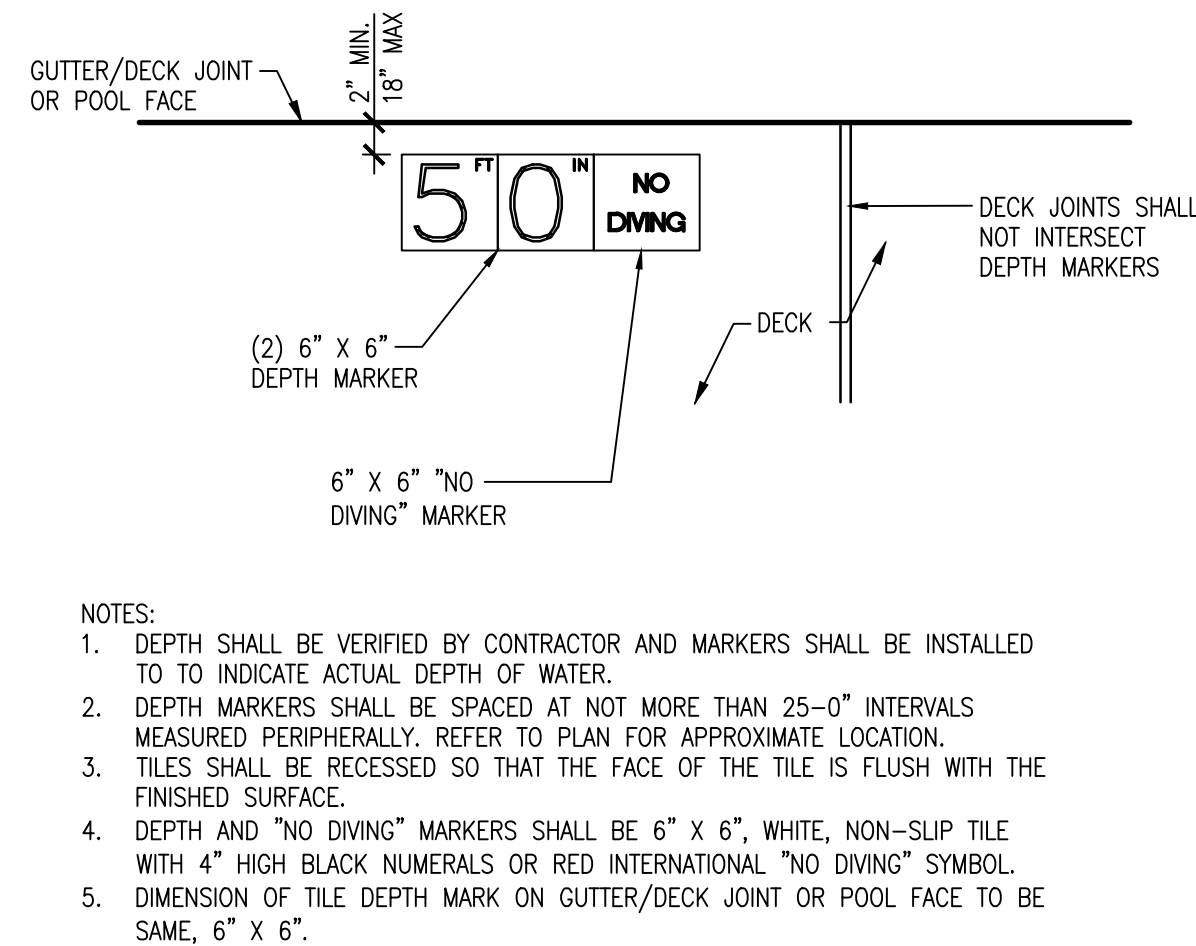
WASTE DISCHARGE



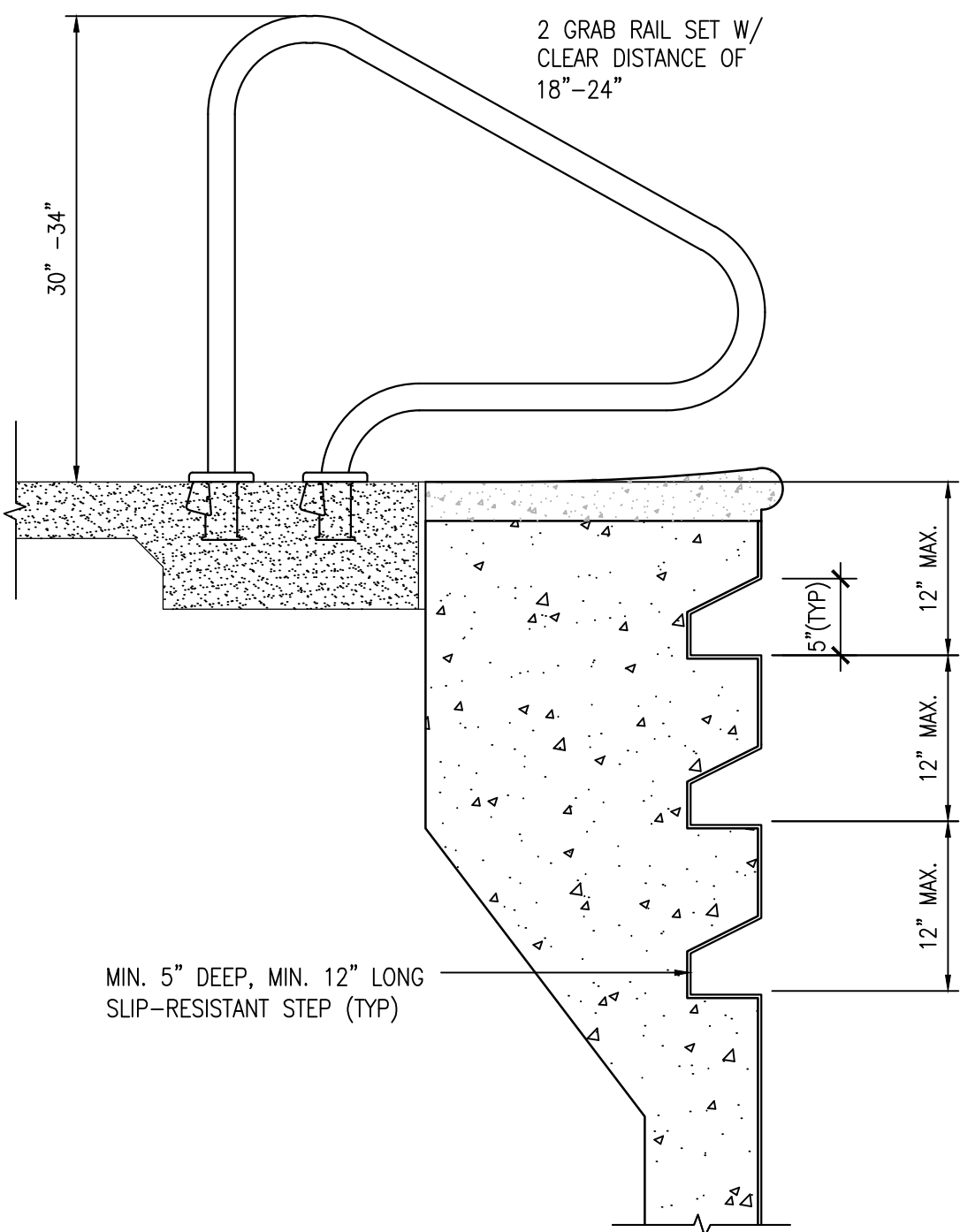
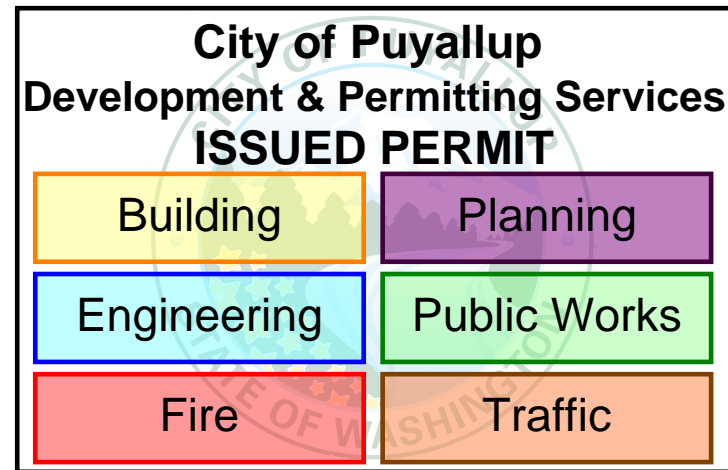
SKIMMER DETAIL



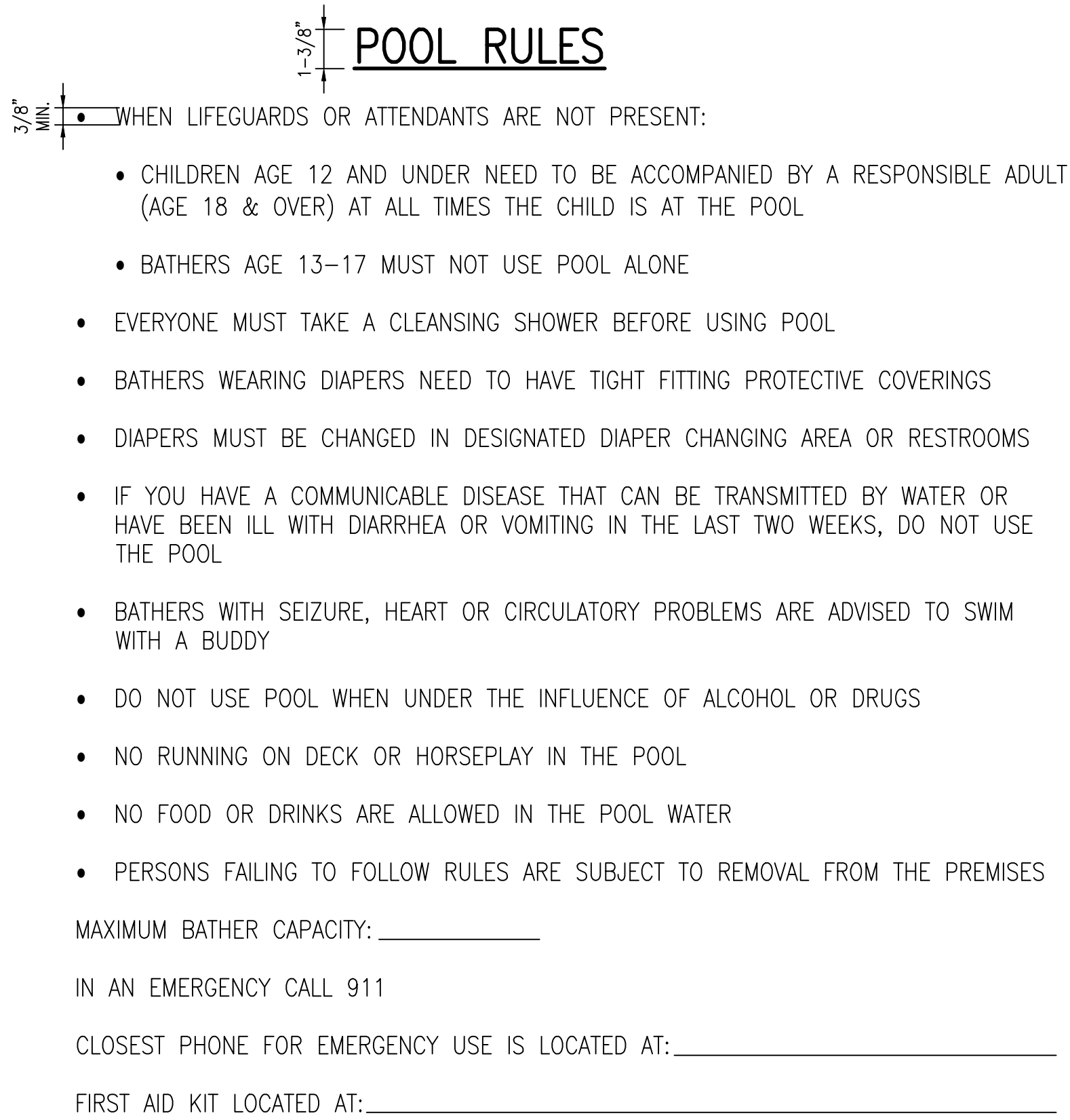
UNDERWATER LIGHT DETAIL



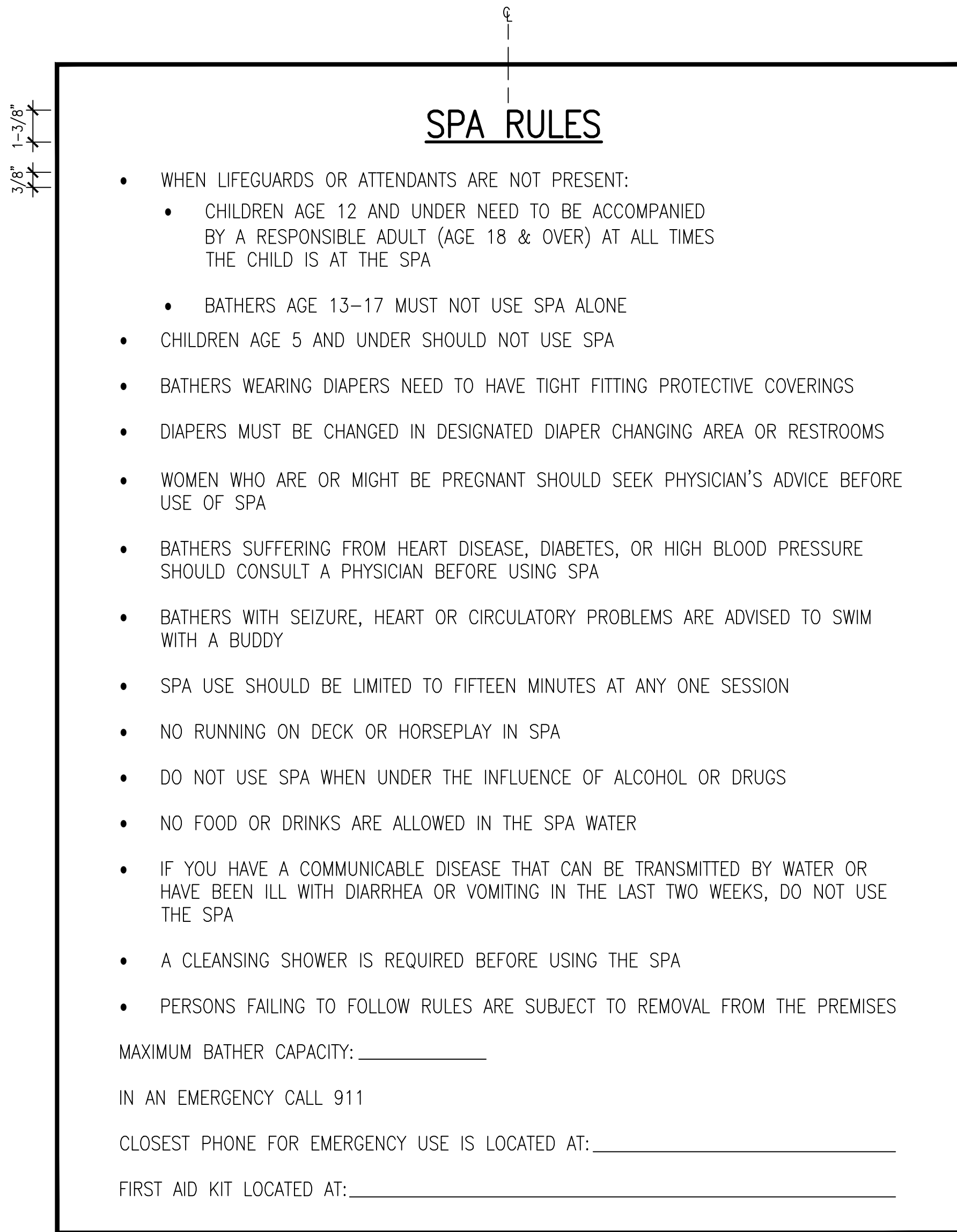
DEPTH MARKER DETAIL



GRAB RAIL AND STEPS



POOL RULES



SPA RULES

REVISIONS

10-13-2025
SPA ADDITION

PRPO20251217

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ENGINEERING
CONSULTANTS
NORTHWEST

STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
04-09-25

CLIENT
PLEASURE POOLS AND SPAS
5414 71ST AVENUE COURT EAST
PUYALLUP, WA 98101
(253) 840-9292

PROJECT
EAST VALLEY CROSSING
PUYALLUP, WA

DATE
04-09-25

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DESIGNED
J.J.D.

APPROVED
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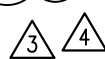
PROJECT NO.
2252761

SHEET NO.
SP4

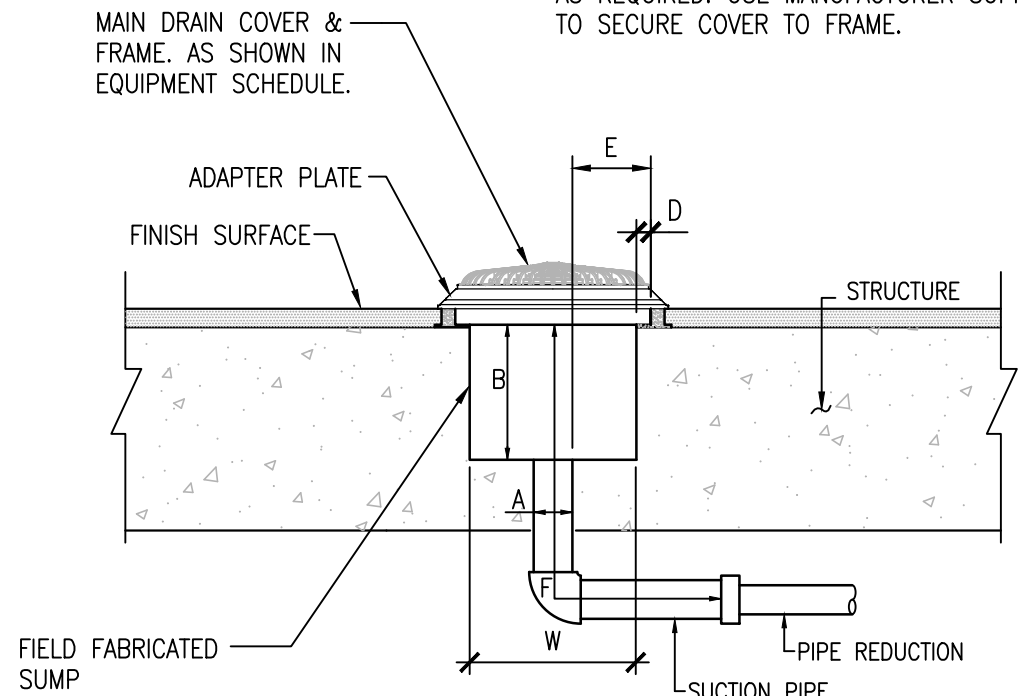
4 Of 6 Sheets

PARAMETER	POOL RECIRCULATION	SPA RECIRCULATION	SPA JET
A - MANIFOLD PIPE DIAMETER (INCHES)	3	6	
B - SUMP DEPTH (INCHES)	0	7-3/8	
E - MINIMUM PIPE OFFSET (INCHES)	NA	NA	
F - LENGTH BEFORE PIPE REDUCTION (INCHES)	16 MIN.	30	
W - SUMP OPENING (INCHES)	10 ROUND	12 SQUARE	
SUMP TYPE	FIELD FABRICATED	LAWSON AQUATICS MLD-SGD-1212	
SUCTION COVER	AQUASTAR A10RCFR	LAWSON AQUATICS MLD-FGD-1212	
COVER OPEN AREA (SQ. INCHES)	31.5	81.3	
NUMBER OF COVERS	2 FLOOR	2 FLOOR	
TOTAL COVER OPEN AREA (SQ. INCHES)	63.0	162.6	
CERTIFIED MAXIMUM FLOW CAPACITY (GPM) BASED ON PIPE ORIENTATION IN SUMP	147	365	
DESIGN FLOW (GPM) (100% PER COVER)	110	90	100
APSP-7 DESIGN FLOW (100% PER COVER) (GPM)	110	90 + 100 = 190	
VELOCITY AT APSP-7 FLOW THROUGH COVER (FPS)	1.12	0.75	
MANIFOLD VELOCITY AT APSP-7 FLOW (FPS)	4.8	2.1	

- NOTES:
- MAIN DRAIN LOCATED AT LOWEST POINT IN POOL.
 - MANIFOLD EXTENDS FROM COVER CONNECTION TO COVER CONNECTION INCLUDING THE TEE FITTING.
 - CONTRACTOR TO CONFIRM PUMP FLOWS AFTER COMPLETION OF WORK TO VERIFY VALUES ABOVE ARE NOT EXCEEDED.

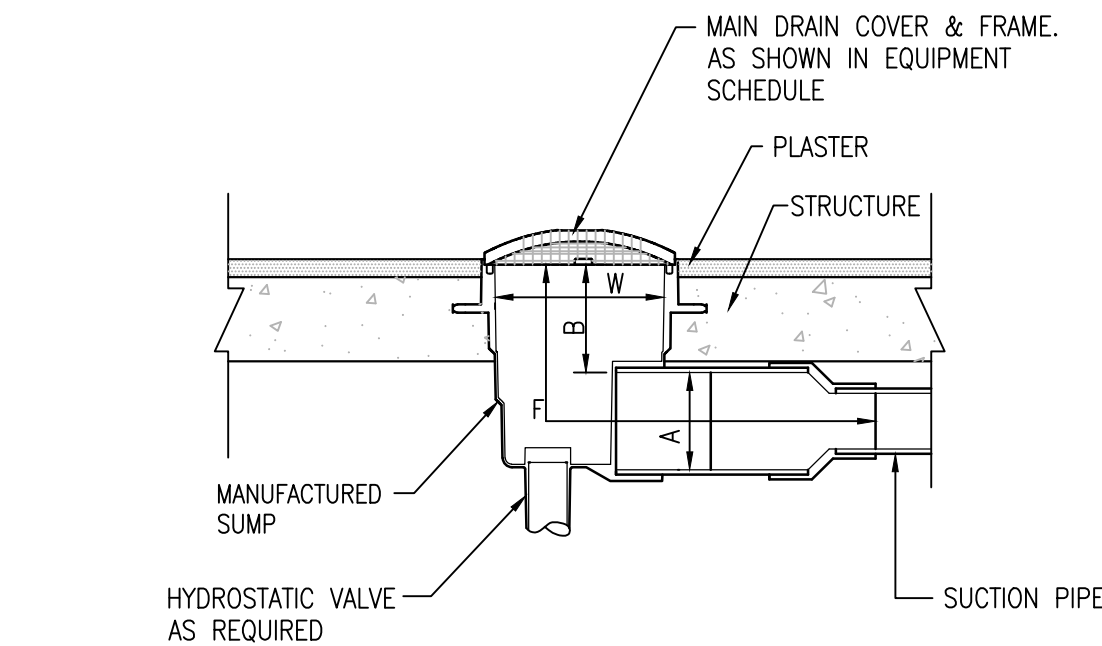


ASSEMBLY SHALL BE APSP-16 (2017) COMPLIANT. FASTEN FRAME TO STRUCTURE WITH WATERPROOF ADHESIVE & MANUFACTURER SUPPLIED 316SS ANCHORS AS REQUIRED. USE MANUFACTURER SUPPLIED FASTENERS TO SECURE COVER TO FRAME.



POOL L MAIN DRAIN DETAIL

NTS 1/3/5



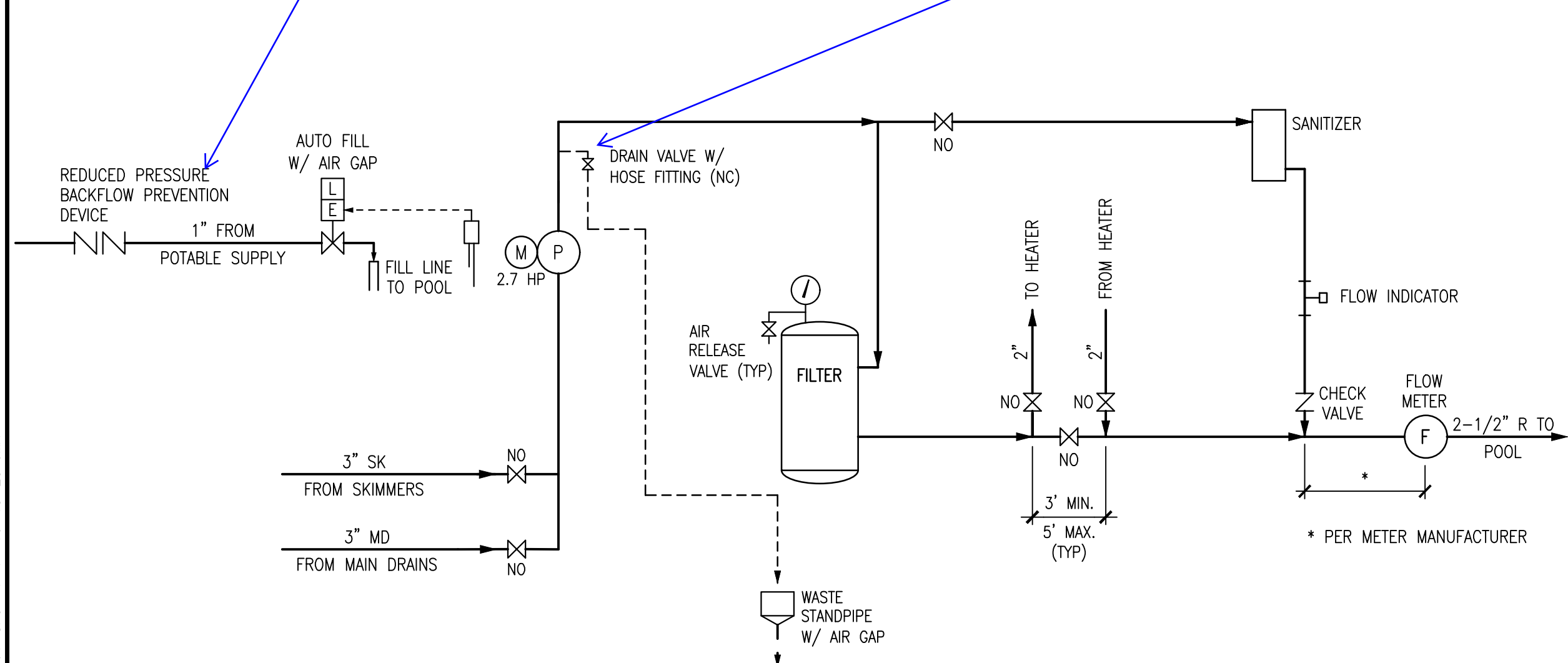
NOTE: ASSEMBLY SHALL BE APSP-16 COMPLIANT. FASTEN FRAME TO STRUCTURE WITH WATERPROOF ADHESIVE & MANUFACTURER SUPPLIED 316SS ANCHORS AS REQUIRED. USE MANUFACTURER SUPPLIED FASTENERS TO SECURE COVER TO FRAME.

MAIN DRAIN DETAIL

NTS 2/3/5

An approved reduced pressure backflow assembly (RPBA) device is required to be installed on the domestic water service to the clubhouse per City Standard Detail 03.04.02 since the potable water service will have a direct connection to the pool. As noted in the correction letter dated November 3, 2025, the RPBA shall be installed under civil construction permit PRCCP20240808. The PRPO20251217 pool building permit cannot be completed until the RPBA passes inspection and testing under civil construction PRCCP20240808.

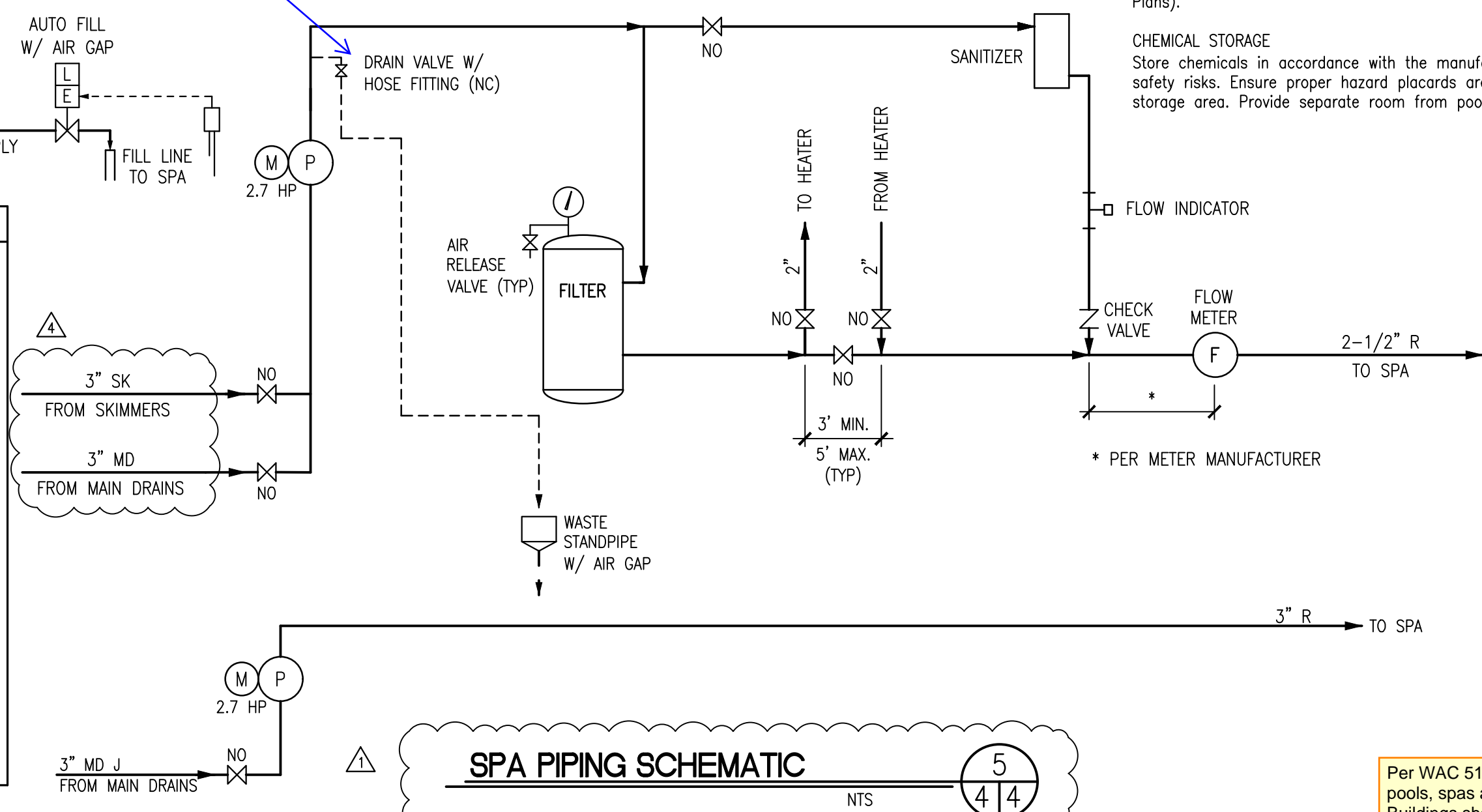
Post the following requirements near the pool and spa drain valves for future pool operators: Prior to entering the City's sewer system, discharged water shall be dechlorinated/debrominated to a total residual concentration of 0.1 ppm or less, free from sodium chloride, pH-adjusted, and reoxygenated if necessary, volumetrically and velocity controlled to prevent re-suspension of sediments in the municipal sewer system (MS4). Discharges shall be thermally controlled to prevent an increase in temperature of the receiving water. Swimming pool cleaning wastewater and filter backwash shall not be discharged to the municipal sanitary sewer system (MS4).



POOL PIPING SCHEMATIC

NTS 4/4

LEGEND	
(P)	PUMP
(M)	ELECTRIC MOTOR
(F)	FLOW METER
(NO)	MANUAL VALVE (NO = NORMALLY OPEN)
(NC)	MANUAL VALVE (NC = NORMALLY CLOSED)
(E)	ELECTRICALLY OPERATED VALVE
(S)	SENSOR
(T)	THERMOMETER
(L)	LEVEL CONTROLLED
(I)	PRESSURE GAUGE
(Z)	CHECK VALVE



SPA PIPING SCHEMATIC

NTS 5/4/4

CONFORMANCE

All material and construction methods shall conform to Chapter 246-260 WAC, "Water Recreation Facilities" published by the Washington State Department of Health, 2021 International Building Code, International Electrical Code and International Building Code, International Mechanical Code, 2017 ICC A117.1, 2010 ASCE 7-10, 2021 Washington State Energy Code, latest editions, as modified by the local agency having jurisdiction. Comply with IBC Sections 1910.4.3, 1910.5, 1910.9 and 1910.10.

CONCRETE

Shotcrete: 1 part cement, 4-1/2 parts sand, based on dry and loose volume; 4,000 psi @ 28 days. Portland Cement Type I or II, ASTM C-150, seven sack mix.

REINFORCEMENT

Reinforcing steel, deformed intermediate grade, $f_y = 40,000$ psi. ASTM A-15, Lap splices 40 diameters; support on concrete blocks and tie with 16 gage annealed wire; 2" minimum cover between earth and steel. Non-contact splices - minimum 2 inch clear between bars. Contact splices must be constructed with the bars aligned so that a line through the center of the two spliced bars is perpendicular to the surface of the surface of the surface of the shotcrete work.

CONSTRUCTION

Maximum length of pool without control joint is 60'-0". Shotcrete is to be placed monolithic and pneumatically.

BARRIERS

- Barrier protection shall be provided to prevent unauthorized access to pool facilities including:
- Owners shall provide barriers to prevent unauthorized persons from gaining access to pools. Spray pool facilities without standing water are exempt from barrier requirements of this section.
 - Barriers at limited use pools must be at least sixty inches high.
 - Barriers at general use pools must be at least seventy-two inches high.
 - Barriers, including windows, may not:
 - Have spaces between vertical members greater than a width of one and three-quarter inches if the distance between the tops of horizontal members are spaced less than forty-five inches apart.
 - Solid barriers may not have indentations or protrusions, other than normal construction tolerances and masonry joints.
 - Barriers must have self-closing, self-latching gates or doors that provide either:
 - A mechanism that uses a continuously locked latch, coded lock or other equivalent access control system that always requires a key or code to enter pool area. If the latch is less than sixty inches from the ground, the barrier must have an eighteen-inch radius of solid material around the latch to preclude a child on the outside of the barrier from reaching through the gate or barrier and opening the latch and entering the pool; or a latch height of sixty inches or more from the ground.
 - Restricted area service entrances are exempt from door or gate requirements provided that no public access is available.
 - Lifeguarded pools are not required to have a self-closing, self-latching gate during the period a pool is in use. Facility gates shall be closed and locked during nonuse periods. Barrier heights are measured on the side outside the pool enclosure area.
 - Owners shall ensure that surrounding ground levels, structures, or landscaping do not reduce the effective height of the barrier.

STEPS

Edge of pool steps shall be of contrasting color from body of pool. Steps shall be of non-slip tread finish. Steps shall have a minimum ten inch unobstructed, horizontal tread depth and a minimum two-hundred forty square inch surface area. Pool risers shall have an uniform height between 7.5 inches (preferred) and 10 inches, except for the bottom riser which may be plus or minus 2 inches of the uniform height. Spa risers shall be similar to those for the pools, except for the bottom riser which may be less than uniform height. See Pool/Spa Section or Step Detail for step requirements.

BONDING

All metallic components of the pool shall be bonded and grounded in conformance to the National Fire Protection Association Electrical Code section 680.26(b).

OPERATION OF POOL

It is the owner's responsibility to operate in compliance with rules and regulations of the Washington State Department of Health.

DISABILITY ACCESS

Provide "person with disability" access per applicable regulations.

DRINKING FOUNTAINS

Provide drinking fountains per Architectural Plans. (By Others) Note: See Architectural Plans for Building, Fence, Electrical, Ventilation and Mechanical Details.

BACKFLOW PREVENTION

Provide non-atmospheric backflow prevention devices on plumbing fixtures connected to the potable water system which serve the pool related facilities.

INSULATION

Provide insulation on exposed recirculation system within the contained space per WSEC Section 403.2.9 for pools and spas heated to greater 95° F. Pool design temperature = 83°F. Spa design temperature = 103°F.

ENERGY CODE

Provide pool/spa equipment, covers, piping insulation, motors, etc. in accordance with the applicable portions of WSEC Sections C404.11.1 through C404.11.4

C404.10.1 Heaters. Heat pump pool heaters shall have a minimum COP of 4.0 determined in accordance with ASHRAE Standard 146. Other pool heating equipment shall comply with the applicable efficiencies in Section C404.2. The electric power to all heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater, or external to and within 3 feet of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas fired heaters shall not be equipped with constant burning pilot lights.

C404.10.2 Time Switches. Time switches or other control method that can automatically turn off and on heaters and pump motors according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built in time switches shall be in compliance with this section.

Exceptions:

- Where public health standards require 24-hour pump operation.
- Pumps that are required to operate solar-and-waste-heat-recovery pool heating systems.

C404.10.3 Covers. Heated pools and in-ground permanent spas shall Pools heated to more than 90°F shall have a pool cover with a minimum insulation value of R-12, and the sides and bottom of the pool shall also have a minimum insulation value of R-12.

C404.10.4 Heat Recovery. Heated indoor swimming pools, spas or hot tubs with water surface area greater than 200 square feet shall provide for energy conservation by an exhaust air heat recovery system that heats ventilation air, pool water or domestic hot water. The heat recovery system shall be configured to decrease the exhaust air temperature at design heating conditions (80°F indoor) by 36°F (10°C).

Exception: Pools, spas or hot tubs that include system(s) that provide equivalent recovered energy on an annual basis through one of the following methods:

- Renewable energy;
- Dehumidification heat recovery;
- Waste heat recovery; or
- A combination of these system sources capable of and configured to provide at least 70 percent of the heating energy required over an operating season.

C404.13 Service water-heating system commissioning and completion requirements. Service water-heating systems, swimming pool water-heating systems, spa water-heating systems and the controls for those systems shall be commissioned and completed in accordance with Section C408.

PIPING

Plastic, 1-1/2" minimum diameter unless otherwise noted; Type 1 PVC Schedule 40, solvent weld. All piping must be bedded and backfilled per the manufacturer's recommendations.

HOSE BIBBS

Provide bibbs with vacuum breakers adjacent to walks. (By Others)

WASTE WATER

To be disposed of through air gap. The air gap shall be a minimum of two times the filter waste pipe diameter.

FLOOR DRAIN

Provide floor drain or equal with trap. Provide drain for backwash/waste line to terminate above grate, as noted above.

MAKE-UP WATER

If not otherwise provided for in the drawings, make-up water shall be provided by hose bibb located in pool deck area by Owner. Vacuum breaker protection shall be provided. Provide water supply to equipment room protected with state approved reduced pressure backflow prevention device.

LIGHTING

Provide not less than 30 foot-candles intensity measured at the surface of indoor pools and spas; 10 foot-candles for outdoor facilities; 10 foot-candles for pool deck; 20 foot-candles for locker rooms, equipment rooms and restrooms. Provide protective shielding. Indoor pools shall have emergency lighting per UL 924. (By Others)

VENTILATION/HEATING/COOLING (As Applicable)

Provide ventilation conforming to the ASHRAE pool facility standards for indoor facilities. Provide heating and cooling per state energy code and other agencies. (By Others - See Mechanical Plans)

SHOWER FACILITY

Provide means to prevent maximum temperature from exceeding 110° F. (By Others)

EMERGENCY EQUIPMENT

During the period the facility is open for use, the following is required:

- Telephone within one minute access.
- Standard 16 unit first-aid kit and blanket reserved for emergency use.
- Provision of a clearly marked emergency shut off switch for turning off all pumps. Switch shall be equipped with an audible alarm to alert others at the area of the facility. The switch shall be accessible to the public and located within 15 feet of the spa. The audible alarm shall produce a minimum of 85 decibels at 10 feet distance.

SIGNAGE AND TESTING EQUIPMENT

Provide signage and testing equipment in conformance with applicable regulations.

EQUIPMENT

Proper housing to protect equipment shall be provided. Provide combustion air and venting of combustion gasses per manufacturer's requirement and codes (By Others - See Mechanical Plans).

CHEMICAL STORAGE

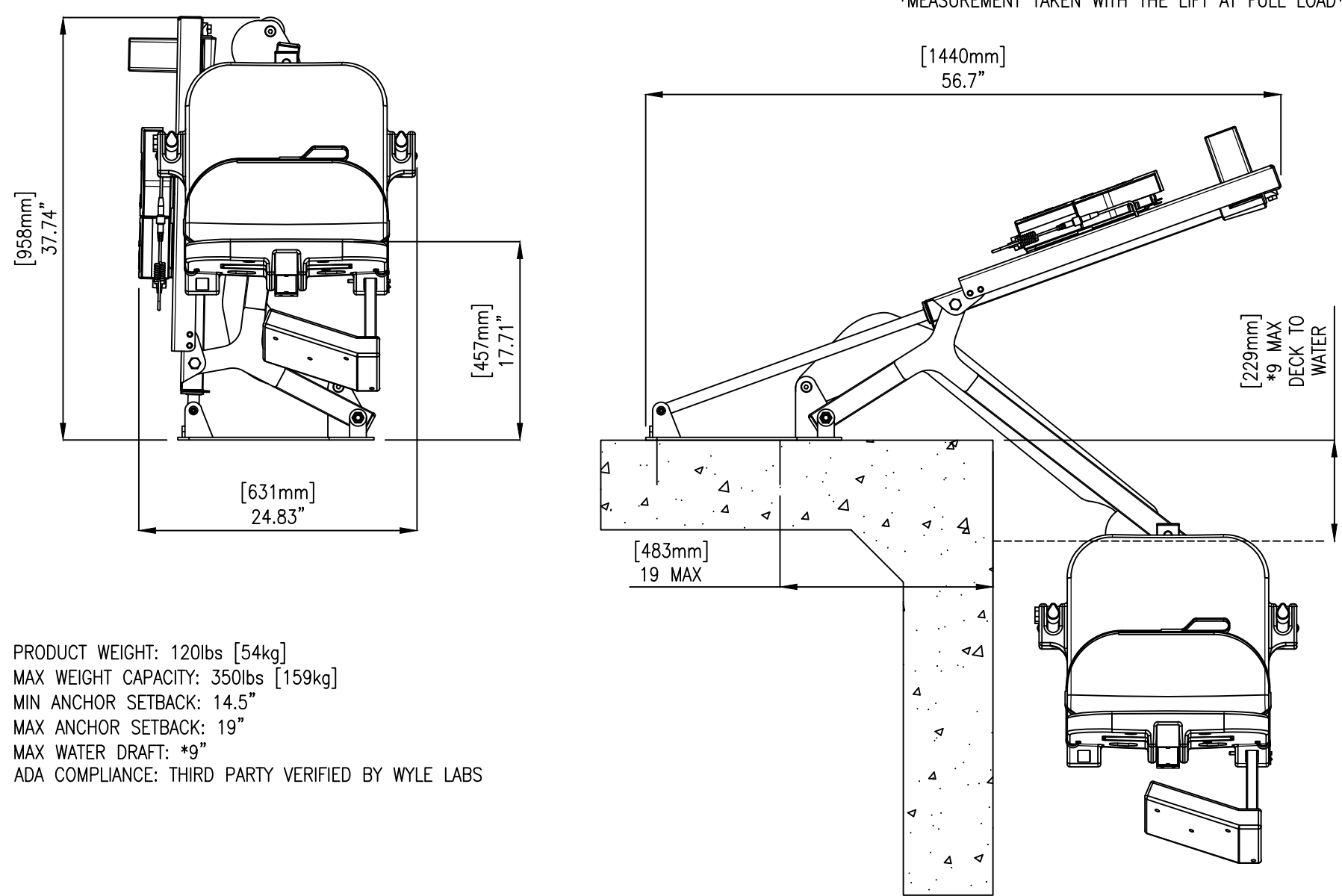
Store chemicals in accordance with the manufacturer's requirements to minimize health and safety risks. Ensure proper hazard placards are posted on the exterior door to the chemical storage area. Provide separate room from pool equipment room when feasible.

REVISIONS	
06-30-25	PER COP REVIEW
08-16-2025	PER TPCHD REVIEW
10-13-2025	SPA ADDITION
10-27-2025	PER TPCHD REVIEW
PRPO20251217	
811 PORTER WAY MILTON, WA 98354 (253) 952-7797 FAX (253) 952-7799	ENGINEERING CONSULTANTS NORTHWEST
04-09-25	
PROJECT: EAST TOWN CROSSING PUYALLUP, WA	
DATE: 04-09-25	
DRAWN: J.M.A.	
DESIGNED: J.J.D.	
APPROVED: J.J.D.	
PROJECT NO.: 2252761	
SHEET NO.: SP5	
5 of 6 Sheets	

RANGER AT POOL LIFT

US PATENT NO'S: [7,249,386 B2] [0507,769 S]

MEASUREMENT TAKEN WITH THE LIFT AT FULL LOAD



PRODUCT WEIGHT: 120lbs [54kg]
MAX WEIGHT CAPACITY: 350lbs [159kg]
MIN ANCHOR SETBACK: 14.5"
MAX ANCHOR SETBACK: 19"
MAX WATER DRAFT: *9"
ADA COMPLIANCE: THIRD PARTY VERIFIED BY WYLE LABS

Inspected And Verified To Meet
Applicable Sections of ADA
Guidelines Section 1009.2 By
wyle
laboratories
A Registered ISO 9001
Laboratory

Aqua Creek Products

9889 GARRYMORE LANE
MISSOULA, MT 59808 (406)
549-0769 FAX (406)
549-2602

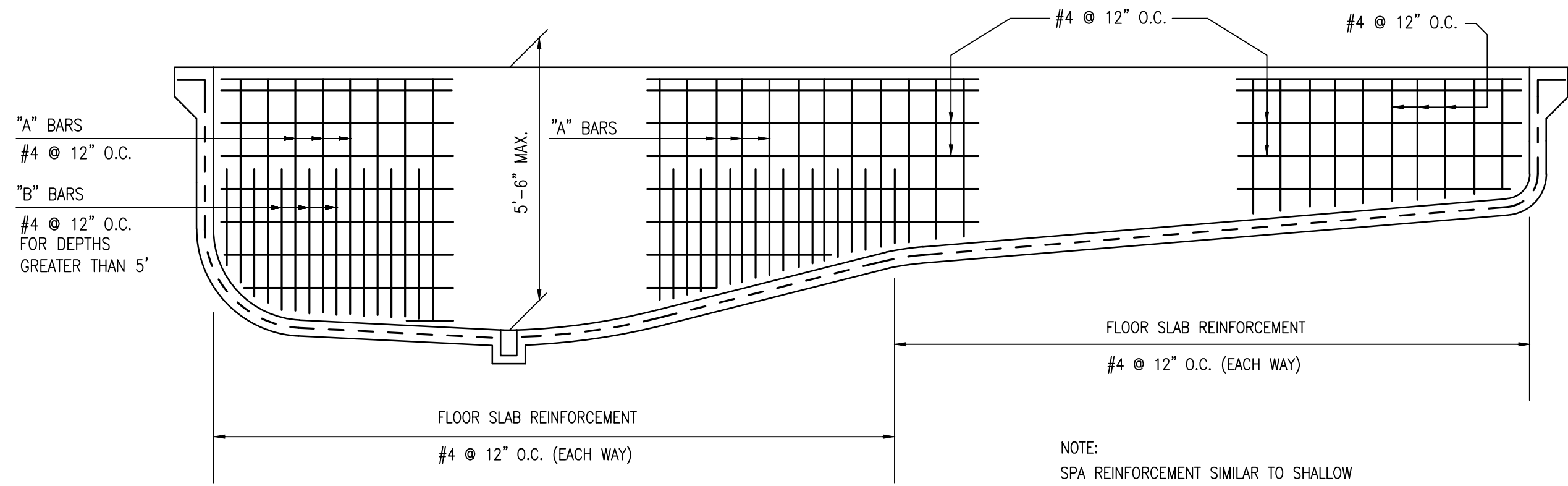
NOTE:
*SPECIFICATIONS ARE SUBJECT
TO CHANGE WITHOUT NOTICE

PRODUCT:	F-411RPL-AT1
DWG #:	1 OF 1
SCALE:	1:16
DATE:	12/9/2016
DRAWN BY:	EF
REVISION:	A

Pool and spa lifts providing an accessible means of entry into the water shall be listed and labeled
in accordance with UL 60335-2-1000 and be installed in accordance with ICC A117.1 and NFPA 70.

ADA LIFT DETAIL

NTS 1/6/6

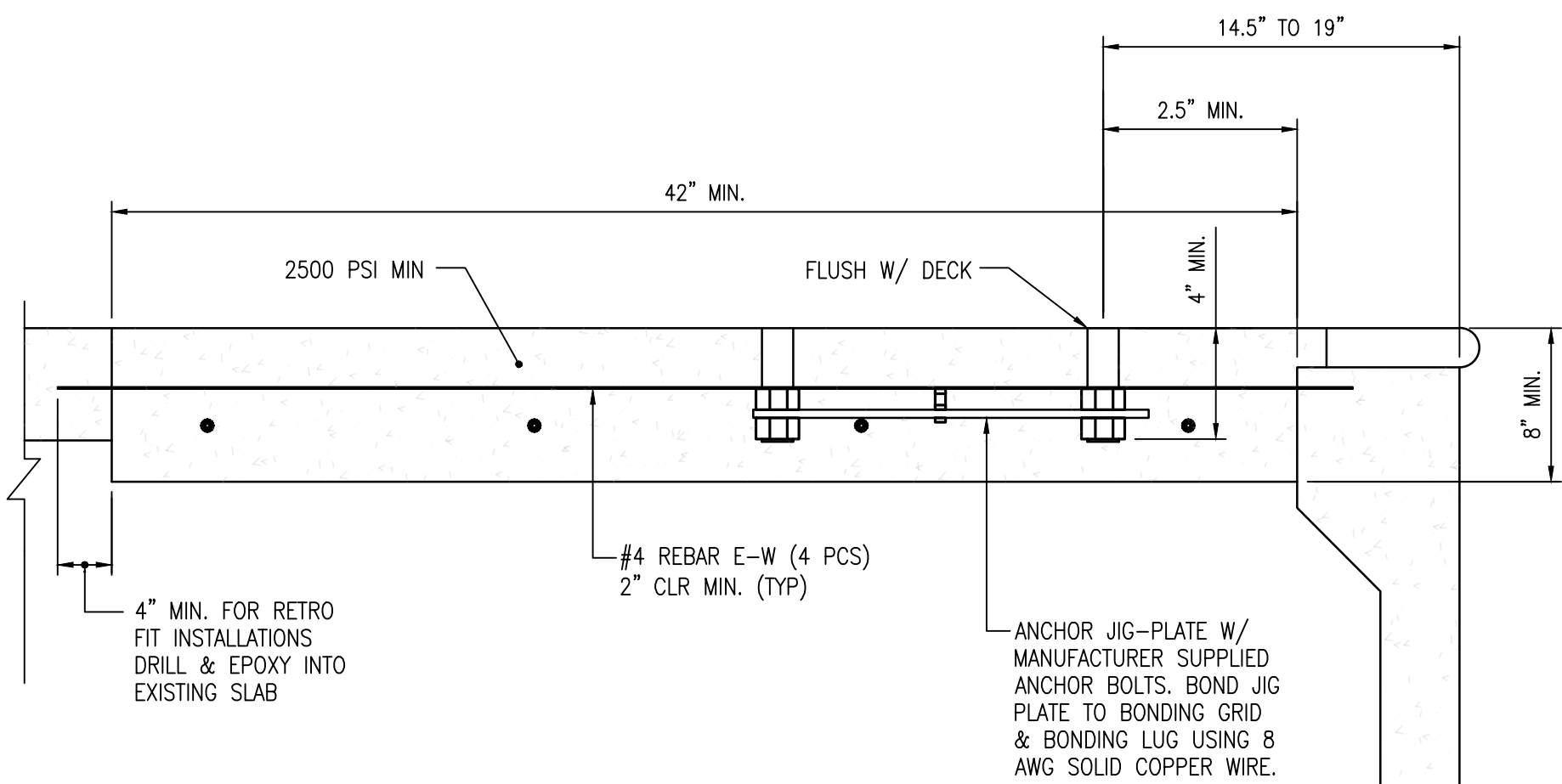


STRUCTURAL SECTION

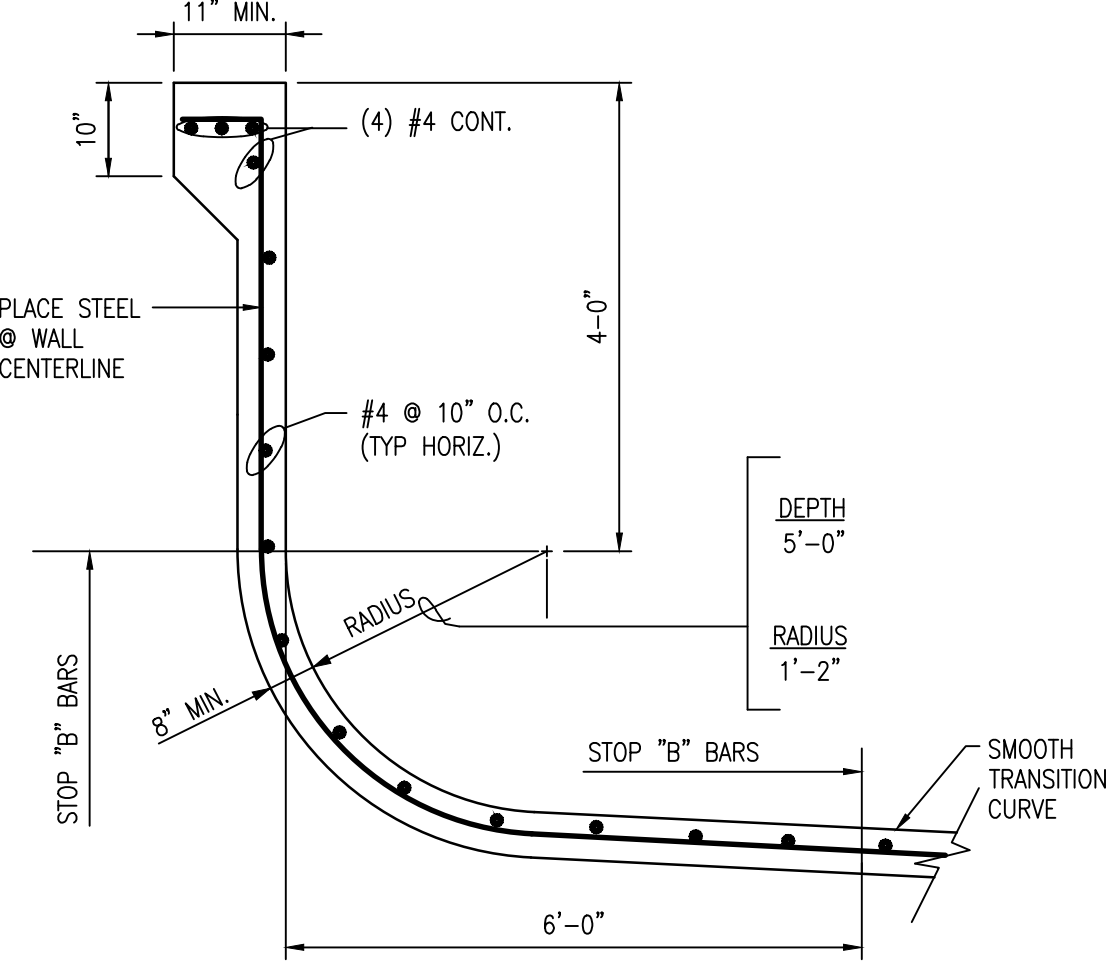
NTS 3/6/6

ADA LIFT SUPPORT

NTS 2/6/6



SPECIAL INSPECTION REQUIREMENTS			
OPERATION	CONTINUOUS	PERIODIC	REMARKS
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT		X	
INSPECT CONCRETE & SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		
NOTE: ALL ITEMS MARKED SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17. THE ENGINEER AND BUILDING OFFICIAL SHALL BE FURNISHED WITH COPIES OF ALL RESULTS. ANY INSPECTION FAILING TO MEET THE PROJECT SPECIFICATIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN TEAM.			



POOL WALL SECTION

NTS A/6/6

GENERAL NOTES

CONFORMANCE
All material and construction methods shall conform to Chapter 246-260 WAC, "Water Recreation Facilities" published by the Washington State Department of Health, 2021 International Building Code, International Electrical Code and International Building Code, International Mechanical Code, 2017 ICC A117.1, 2010 ASCE 7-10, 2021 Washington State Energy Code, latest editions, as modified by the local agency having jurisdiction. Comply with IBC Sections 1910.4.3, 1910.5, 1910.9 and 1910.10.

CONCRETE
Shotcrete: 1 part cement, 4-1/2 parts sand, based on dry and loose volume; 4,000 psi @ 28 days. Portland Cement Type I or II, ASTM C-150, seven sack mix.

REINFORCEMENT
Reinforcing steel, deformed intermediate grade, fy = 40,000 psi, ASTM A-15. Lap splices 40 diameters; support on concrete blocks and tie with 16 gage annealed wire; 2" minimum cover between earth and steel. Non-contact splices - minimum 2 inch clear between bars. Contact splices must be constructed with the bars aligned so that a line through the center of the two spliced bars is perpendicular to the surface of the surface of the surface of the shotcrete work.

CONSTRUCTION
Maximum length of pool without control joint is 60'-0". Shotcrete is to be placed monolithic and pneumatically.

BARRIERS
Barrier protection shall be provided to prevent unauthorized access to pool facilities including:
1. Owners shall provide barriers to prevent unauthorized persons from gaining access to pools. Spray pool facilities without standing water are exempt from barrier requirements of this section.
2. Barriers at limited use pools must be at least sixty inches high.
3. Barriers at general use pools must be at least seventy-two inches high.
4. Barriers, including windows, may not:
a. Have spaces between vertical members greater than a width of one and three-quarter inches if the distance between the tops of horizontal members are spaced less than forty-five inches apart.
5. Solid barriers may not have indentations or protrusions, other than normal construction tolerances and masonry joints.
6. Barriers must have self-closing, self-latching gates or doors that provide either:
a. A mechanism that uses a continuously locked latch, coded lock or
b. other equivalent access control system that always requires a key or code to enter pool area. If the latch is less than sixty inches from the ground, the barrier must have an eighteen-inch radius of solid material around the latch to preclude a child on the outside of the barrier from reaching through the gate or barrier and opening the latch and entering the pool; or a latch height of sixty inches or more from the ground.
7. Restricted area service entrances are exempt from door or gate requirements provided that no public access is available.
8. Lifeguarded pools are not required to have a self-closing, self-latching gate during the period a pool is in use. Facility gates shall be closed and locked during nonuse periods. Barrier heights are measured on the side outside the pool enclosure area.
9. Owners shall ensure that surrounding ground levels, structures, or landscaping do not reduce the effective height of the barrier.

BONDING
All metallic components of the pool shall be bonded and grounded in conformance to the National Fire Protection Association Electrical Code section 680.26(B).

DISABILITY ACCESS
Provide "person with disability" access per applicable regulations.

BACKFLOW PREVENTION
Provide non-atmospheric backflow prevention devices on plumbing fixtures connected to the potable water system which serve the pool related facilities.

INSULATION
Provide insulation on exposed recirculation system within the contained space per WSEC Section 403.2.9 for pools and spas heated to greater 95° F. Pool design temperature = 83°F.

ENERGY CODE
Provide pool/spa equipment, covers, piping insulation, motors, etc. in accordance with the applicable portions of WSEC Sections C404.11.1 through C404.11.4.

C404.10.1 Heaters. Heat pump pool heaters shall have a minimum COP of 4.0 determined in accordance with ASHRAE Standard 146. Other pool heating equipment shall comply with the applicable efficiencies in Section C404.2. The electric power to all heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater, or external to and within 3 feet of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas fired heaters shall not be equipped with constant burning pilot lights.

C404.10.2 Time Switches. Time switches or other control method that can automatically turn off and on heaters and pump motors according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built in time switches shall be in compliance with this section.

Exceptions:
1. Where public health standards require 24-hour pump operation.
2. Pumps that are required to operate solar-and-waste-heat-recovery pool heating systems.

C404.10.3 Covers. Heated pools and in-ground permanent spas shall Pools heated to more than 90°F shall have a pool cover with a minimum insulation value of R-12, and the sides and bottom of the pool shall also have a minimum insulation value of R-12.

C404.10.4 Heat Recovery. Heated indoor swimming pools, spas or hot tubs with water surface area greater than 200 square feet shall provide for energy conservation by an exhaust air heat recovery system that heats ventilation air, pool water or domestic hot water. The heat recovery system shall be configured to decrease the exhaust air temperature at design heating conditions (80°F indoor) by 36°F (10°C).

Exception: Pools, spas or hot tubs that include system(s) that provide equivalent recovered energy on an annual basis through one of the following methods:
1. Renewable energy;
2. Dehumidification heat recovery;
3. Waste heat recovery; or
4. A combination of these system sources capable of and configured to provide at least 70 percent of the heating energy required over an operating season.

C404.13 Service water-heating system commissioning and completion requirements. Service water-heating systems, swimming pool water-heating systems, spa water-heating systems and the controls for those systems shall be commissioned and completed in accordance with Section C408.

WASTE WATER
To be disposed of through air gap. The air gap shall be a minimum of two times the filter waste pipe diameter.

FLOOR DRAIN
Provide floor drain or equal with trap. Provide drain for backwash/waste line to terminate above grate, as noted above.

MAKE-UP WATER
If not otherwise provided for in the drawings, make-up water shall be provided by hose bibb located in pool deck area by Owner. Vacuum breaker protection shall be provided. Provide water supply to equipment room protected with state approved reduced pressure backflow prevention device.

EQUIPMENT
Proper housing to protect equipment shall be provided. Provide combustion air and venting of combustion gasses per manufacturer's requirement and codes (By Others - See Mechanical Plans).

CHEMICAL STORAGE
Store chemicals in accordance with the manufacturer's requirements to minimize health and safety risks. Ensure proper hazard placards are posted on the exterior door to the chemical storage area. Provide separate room from pool equipment room when feasible.

POOL SYSTEM COMMISSIONING			
DESCRIPTION	EQUIPMENT/FEATURE	TEST	BY
POOL & SPA RECIRCULATION PUMPS	RECIRCULATION PUMPS	CONTINUOUS OPERATION DESIGN FLOW RANGE	POOL CONTRACTOR
SPA JET PUMP	JET PUMP	TIMED OPERATION (15 MINUTE TIMER) DESIGN FLOW RANGE	POOL CONTRACTOR
POOL AND SPA HEATING	POOL & SPA HEATERS	PILOT & SWITCH OPERATOR ACCESSIBLE POOL SET POINT TEMP = ±80°F SPA SET POINT TEMP = 103°F CONTROLS INACCESSIBLE TO BATHERS	POOL CONTRACTOR
POOL AND SPA COVER	COVERS	PROVIDED & CUT TO FIT	POOL CONTRACTOR
NOTE: REFERENCE WSEC SECTION 408 FOR COMMISSIONING.			

City of Puyallup
Development & Permitting Services
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Per WAC 51-50-3109; the design and construction of swimming pools, spas and other aquatic recreation facilities for Multifamily Buildings shall be regulated by the Department of Health.

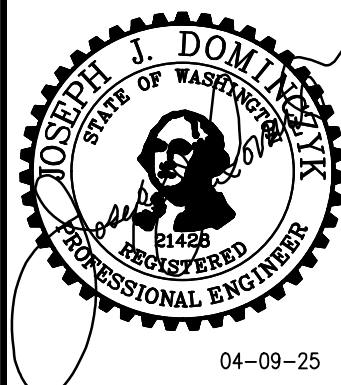
REVISIONS

06-30-25	PER COP REVIEW

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CLIENT

EAST TOWN CROSSING
PUYALLUP, WA

POOL STRUCTURAL DETAILS
AND NOTES

DATE	04-09-25
DRAWN	J.M.A.
DESIGNED	J.J.D.
APPROVED	J.J.D.
PROJECT NO.	2252761
SHEET NO.	

SP6